

**L.SORNAKUMAR**  
Operation Manager  
M.E(BITS), MBA (IBM)

[Sorna2008@gmail.com](mailto:Sorna2008@gmail.com)  
+91 – 9585152890

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**Summary:**

- 6 years of experience in Sales & Service in Solar power plant industry, Total Quality Management, Operation, and maintenance of solar plant operations.
- Front line sales – Made cold calls, solicited target business with the use of telephone and emails. Evaluated working conditions, job functions and risk exposure associated with the positions being audited.
- Recommended and provide Personal Protective Equipment (PPE).
- Continuously evaluate service provider performance for compliance with service contracts and established company performance standards.
- Assigning tasks, establishing, and enforcing standards of conduct and performance in the work environment
- Inspecting and auditing in-process and completed work, to ensure work meets SOW and quality standards.
- Resolve problems and maintain open communication with the client including providing regular written and oral reports to ensure satisfaction.
- Assist with planning scheduled service interruptions with leaderships and collaborate with senior leadership to resolve emergent interruptions.

**Competition exposures:**

- Knowledge on ISO
- Grid-Connected PV Systems: Design & Installation at GSES, Chennai.
- “Diploma in Electrical CAD” at CADD Center, Chennai
- Exposure to Solar systems design
- Solar String Inverters Training at ABB, Bangalore.

**Aug’15 – Till Date in Visalam Energy Private Limited – Chennai**

- Area : Energy – Solar power plant and Inverters
- Department: Service and Commissioning Engineering

**Roles & Responsibility:**

- Project leader Role in Inverter Commissioning, Operation & Maintenance
- Played a key role in all build activities & Process development activities.
- Have experience in Commissioning of ABB Inverter (Up to 175 KW and 1 MW Central Inverters), SMA Inverter (STP 20,25 & 150 KW), & other string inverters.
- Troubleshooting all types of solar inverters.
- O&M of 11 KV Switchyard of solar projects and LT side.
- Implement safe work practice as per the safety procedures of the company. To keep record of water & Diesel consumption during module cleaning.
- Making DPR, DGR, FORCASTING, MODULE CLEANING, SHIFT REPORT etc.

- Preparing daily, weekly, monthly, and quarterly, half yearly and manual checklist.
- To keep close monitoring of all machines at the site and maintain records of errors and breakdown of those machines and their root cause analysis.
- Fault analyzing, trouble shooting, and modification related to problems.
- Checking preventive actions on the defects / observations found during the operation & maintenance with minimum breakdown time.
- Record maintenance and equipment reading updating.
- Operation & Maintenance of Solar PV Module, Inverter, SMB, Transformer OLTC of 1250KVA, HT panels and LT panels.
- Ability to deal with vendors smoothly.
- Planning, coordination, and execution of electrical solar PV project (Erection, Testing, commissioning of electrical works).as per contract with client.
- DC and AC cabling, testing, dressing, ferruling, and charging.
- Testing of Inverter, SMB, PV Module and RMU.
- Done 1.3 MW PV rooftop PV Solar Power Generating station on LT side, Erection, Testing and Commissioning AC System at Madurai, Tamilnadu.
- Done 1.2 MW PV rooftop PV Solar Power Generating station on LT side, Erection, Testing and Commissioning AC System at SRILANKA.
- Done 1 MW PV Ground Mount PV Solar Power Generating station on 11KV Grid, Erection, Testing and Commissioning AC System at Kanadukathan, Tamilnadu.
- Commissioned 5 MW Solar Rooftop Project in various Location – India.
- Handled around Rs.10 crores CAPEX over a span of 2 yrs
- Initiating Cost reduction activities

#### **Aug'14 to Jul'15 in Shree Abrimai Engineering Works – Chennai**

- Area : Transformer Unit
- Department: Maintenance / Testing

#### **Roles & Responsibility:**

- Have done Power Transformer Oil testing for - HYUNDAI MOTOR INDIA LIMITED, STEEL AUHTORITY OF INDIA SALEM, PROLEC GE, CHENNAI.

#### **Functional areas & strengths:**

- Process Design (Supplier selection, tech evaluation, ordering, commissioning), Process Mapping
- A very strong Inverter trading and servicing background
- Provide technical support and training to customers, partners etc
- Deciding warranty cases according to warranty directives and preparing the warranty reports.
- Provide on-site support for solar PV system commissioning, troubleshooting, power quality site analysis, and remediation.
- Keep up to date with current Solar PV technologies, trends, and innovation.
- Performed troubleshooting using monitoring systems to determine health of PV installations. Worked with customers to suggest diagnostic strategies.

- Solar Inverters commissioning & erection.
- Capacity Analysis
- IBM activities well known.
- Having good knowledge in Cable Sizing.

**Scholastics:**

- Course PG: M.E (Microelectronics) in BITS Dubai and MBA (part time) in Annamalai University, Chidambaram with aggregate of 76%
- Course UG: Bachelor of Engineering in Electrical & Electronics Engineering at Velammal College of Engineering & Technology Madurai under Anna University Tirunelveli with aggregate of 75%
- Percentage of marks class X : 73% (Matric)
- Percentage of marks class XII: 80 % (State Board)

**Certification:**

- Software: Auto CAD in 2015

**Personal Details:**

- Date of Birth : 21.12.1989
- Language known Tamil. English, Malayalam & Hindi
- Passport Number:

**L. Sornakumar**